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27. (New) A method for treating tumors in a human or animal comprising administering to the human or animal a composition comprising an effective angiogenesis-inhibiting amount of 2-methoxyestradiol.

28. (New) The method of Claim 27, wherein the tumors comprise solid tumors.

29. (New) The method of Claim 27, wherein the tumors are benign.

30. (New) The method of Claim 27, wherein the tumors are metastatic.

31. (New) The method of Claim 29, wherein the benign tumors are hemangiomas.

32. (New) A method for treating nerve cell diseases in a human or animal comprising administering to the human or animal with the nerve cell disease a composition comprising an effective angiogenesis-inhibiting amount of 2-methoxyestradiol.

33. (New) The method of Claim 32, wherein the nerve cell disease comprises acoustic neuroma or neurofibroma.

34. (New) A method for treating diseases of the eye in a human or animal comprising administering to the human or animal with a disease of the eye with a composition comprising an effective angiogenesis-inhibiting amount of 2-methoxyestradiol.

35. (New) The method of Claim 34, wherein the disease of the eye comprises trachomas, retinopathy of prematurity, diabetic retinopathy, retrolental fibroplastic, macular degeneration, corneal graft rejection or neovascular glaucoma.

36. (New) A method for treating inflammation in a human or animal comprising administering to the human or animal with inflammation a composition comprising an angiogenesis-inhibiting amount of 2-methoxyestradiol.

37. (New) The method of Claim 36, wherein the inflammation is associated with pyogenic granulomas, vascular malfunctions, abnormal wound healing, inflammatory disorders, gout, gouty arthritis, rheumatoid arthritis, psoriasis or immune disorders.

38. (New) A method for treating Behcet's syndrome in a human comprising administering to the human with Behcet's syndrome a composition comprising an effective angiogenesis-inhibiting amount of 2-methoxyestradiol.

39. (New) A method for treating Osler-Weber syndrome in a human comprising administering to the human with Osler-Weber syndrome a composition comprising an effective angiogenesis-inhibiting amount of 2-methoxyestradiol.

40. (New) A method of treating undesired angiogenesis associated with complications arising from the female reproductive system in a human or animal comprising administering to the human or animal a composition comprising an effective angiogenesis-inhibiting amount to 2-methoxyestradiol.

41. (New) The method of Claim 30, wherein the problems of the female reproductive system are associated with ovulation, implantation of a blastula, menstruation, or menopause.

42. (New) A method for treating osteoporosis in a human or animal comprising administering to the human or animal with osteoporosis a composition comprising an effective angiogenesis-inhibiting amount of 2-methoxyestradiol.